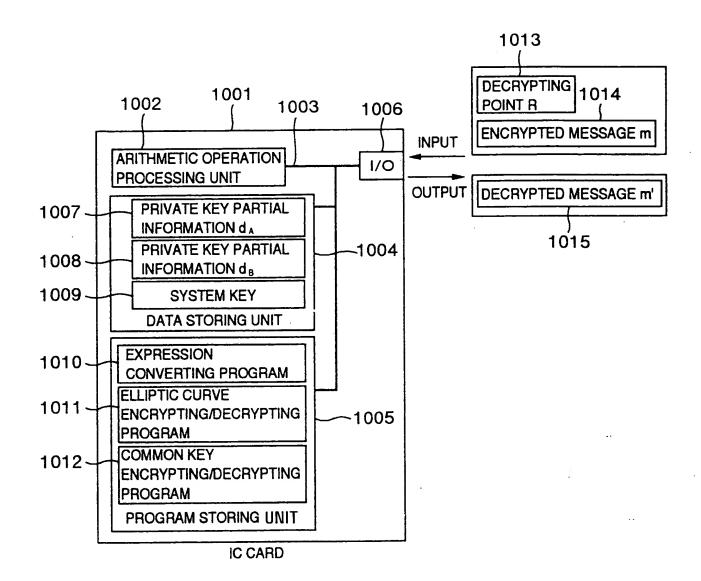
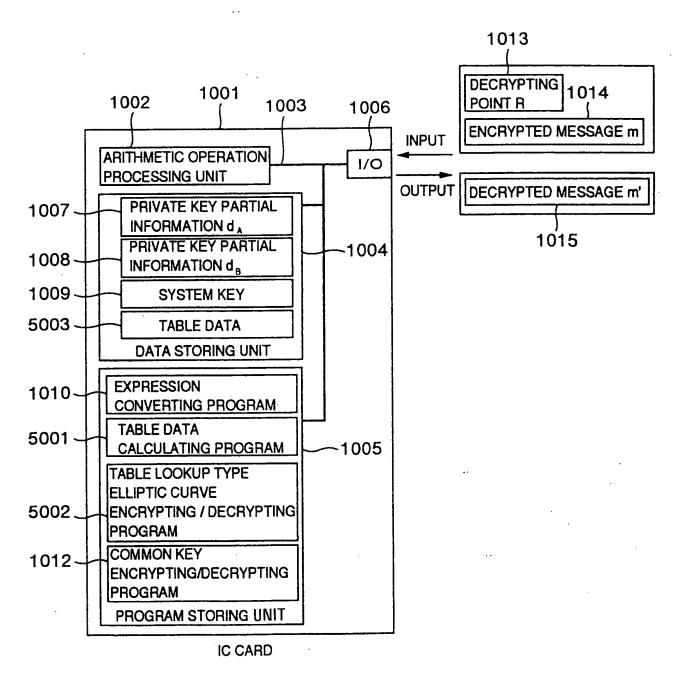


FIG.1



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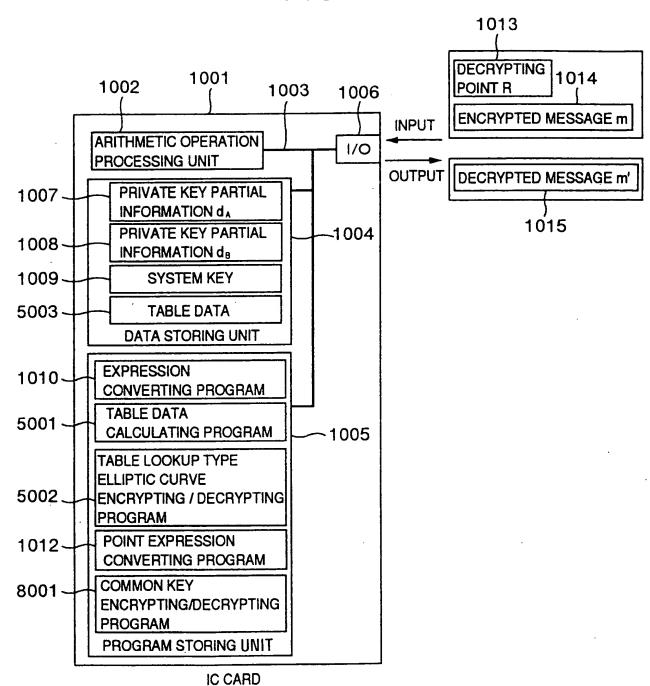
FIG.5



## Replacement Sheet

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FIG.8



## Replacement Sheet

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FIG.10

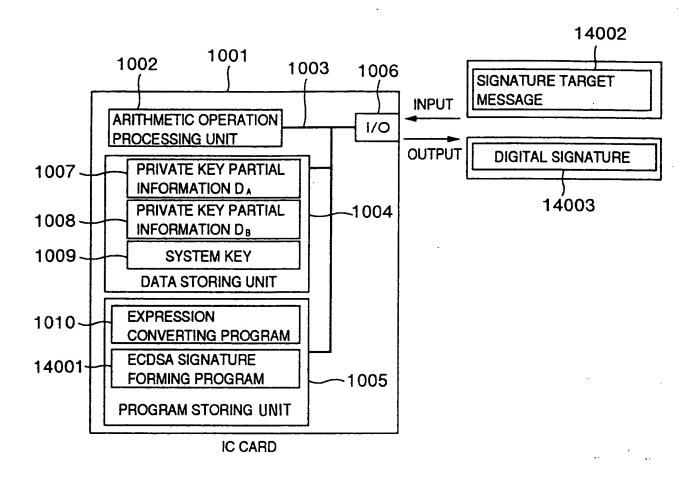




FIG.12

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**AUTHENTICATING** 16004 -16015 16017 -16016 STATION SIGNATURE 16015 16010 IC CARD FOR -16017 16016 PUBLIC KEY CERTIFICATE PUBLIC KEY CERTIFICATE PUBLIC KEY **PURCHASING REQUEST** IC CARD 16009 PUBLIC KEY .16016 16020 .16015 ₩ 16012 MESSAGE 16002 PUBLIC KEY CERTIFICATE **PURCHASING REQUEST** DIGITAL SIGNATURE 16018 **VERIFYING PROGRAM** 16019 16001 16006 DIGITAL SIGNATURE COMPUTER OF CARD HOLDER NETWORK SYSTEM KEY PUBLIC KEY SIGNATURE MESSAGE 16003 COMPUTER OF MERCHANT ( 16020 CPU PUBLIC KEY CERTIFICATE PURCHASING REQUEST 16011~ DIGITAL SIGNATURE CPU 16005 + PUBLIC KEY MESSAGE KEY BOARD DISPLAY BOARD DISPLAY KEY 16007 -16013~ 16014 -16017~ 16015~ 16016~ 16020~ 16008~